

Author and year	Study design	Study period	Country	Equity	Participants	Mean age [range]	Risk of bias	N°. of dp	MA?	Exposure	Exposure measure	Outcome measure	N
Wulff 2021 ¹⁵⁵	Cross-sectional	2015	Germany	High income country	Adolescent obesity therapy participants	NR [11-17]	Mod	1	No	Freq. of SM use	Freq. of WhatsApp use	Physical inactivity (exercised 0-2 days per week)	228
Yao 2022 ¹⁵⁶	Cross-sectional	NR	China	High income country	Grade 4-10 elementary and middle school students	13.35 [6-18]	Mod	2	No	Exposure to health-risk behaviour content	Exposure to content (including text and pictures) about drinking or smoking (e.g., saw drinking-related information)	Tobacco and alcohol use	1,491

Legend: Where exposure ascertainment was via objectively recorded social media usage data, independent of user reports or via a validated measurement tool, this is stated in italics; where outcome ascertainment was via independent clinical assessment, a validated tool, or medical/administrative records, this is stated in italics. All other measures are self-report. An adapted Newcastle Ottawa Scale (NOS) was used to assess risk of bias for cross-sectional and cohort studies and the Cochrane risk of bias 2 tool for randomised trials (RoB-2) was used for randomised control trial studies. All included studies were assessed using synthesis without meta-analysis (SWiM), excluding one study⁷⁴ which was included due to potential double counting of study participants; we were however able to include estimates from this studies in meta-analysis stratified by outcome where this issue did not occur. Abbreviations: ADHD = Attention deficit hyperactivity disorder; ASA24 = Dietary Assessment Tool; AUDIT/C = Alcohol Use Disorders Identification Test; CAGI/GPSS = Gambling Problem Severity Subscale of the Canadian Adolescent Gambling Index; dp = number of datapoints; DSM-IV-MR-J = Diagnostic and Statistical Manual of Mental Disorders-IV-Multiple Response- Adapted for Juveniles (assessment of adolescent gambling); ESP = Spain; FIN = Finland; Freq = Frequency; HEI = Healthy Eating Index; KOR = South Korea; MA = Study included in meta-analysis, subgroup or sensitivity analysis; Mod = Moderate RoB; N = Number of study participants; NR = Not reported; PAQ-C/A = Physical Activity Questionnaire for Children and Adolescents; RCS = Repeat cross-sectional study; RCT = Randomised control trial; RoB-2 = Cochrane risk of bias 2 tool for randomised trials; SBS = Sexting Behaviour Scale; SDQ = Strengths and Difficulties Questionnaire; SEP = Socioeconomic position; SOGS-RA = South Oaks Gambling Screen-Revised for Adolescents; T = Timepoint; UK = United Kingdom; USA = United States; WHO = World Health Organisation; YSR = Youth Self-Report; and Δ = Change.